

A P P E N D I X I:

THE LISTING OF CLAIMS (version with markings):

1. (*previously presented*) A process for the distillation of vinyl aromatic monomers in the presence of 4-tert-butylcatechol (TBC) and oxygen or an oxygen-containing gas wherein no aromatic nitro or amino compound is present in any effective amount to prevent polymerization.
2. (*previously presented*) A process as defined in claim 1, wherein the vinyl aromatic monomer used is styrene.
3. (*currently amended*) A process as defined in claim 1, wherein the 4-tert-butylcatechol is fed to a distillation assembly concurrently with the vinyl aromatic monomer, the concentration of 4-tert-butylcatechol in the bottom mixture of the distillation assembly being in ~~the~~ a range of from 200 to 15,000 ppm based on the vinyl aromatic monomer.
4. (*previously presented*) A process as defined in claim 1, wherein the distillation is carried out under vacuum at temperatures ranging from 40° to 125°C.
5. (*previously presented*) A process as defined in claim 1, wherein the oxygen-containing gas is metered into the bottom mixture of a distillation assembly through a gas spray.
6. (*previously presented*) A process as defined in claim 1, wherein the oxygen-containing gas is metered in on the suction side of a circulating pump mounted upstream of a distillation assembly.
7. (*previously presented*) A process as defined in claim 1, wherein the oxygen is fed in at a rate of from 0.01 to 0.5 wt%, based on the weight of vinyl aromatic monomer.
8. (*canceled*)